## **AMENDMENTS TO THE CLAIMS**

This listing of claims replaces all prior versions, and listings, of claims in the application:

1.	(Original) A method of directing a computer network for booting using an	
embedded ope	erating system (OS) based computer, the method comprising:	
	listening with an embedded OS based computer to PXE requests from a plurality	
of PXI	E enabled target servers of a computer network; and	
	providing from the embedded OS based computer to one of the plurality of PXE	
enabled target servers a netboot program and address information of a boot server from		
the embedded OS based computer responsive to a PXE request from one of the PXE		
enabled target servers.		
2.	(Original) The method as in claim 1, wherein the computer network comprises a	
plurality of subnetworks of PXE enabled target servers.		
2	(Q 1 1 1 The most of a large 2 miles are the embedded OS board	
	(Currently Amended) The method as in claim 2, wherein the embedded OS based	
computer liste	ens to one of the <del>subnetwork</del> <u>subnetworks</u> .	
4	(Currently Amended) The method as in claim 3, wherein the embedded OS based	
	ens to one of the subnetwork subnetworks by wireless communication.	
oompator not	of war of the original	
5.	(Original) The method as in claim 1, wherein the embedded OS is Windows CE	
operating system.		
6.	(Original) The method as in claim 1, wherein the plurality of PXE enabled target	
servers are part of a subnetwork of the computer network.		
7.	(Original) The method as in claim 1, wherein the listening step is performed	
through a TCP/IP stack.		
	embedded open of PXI enable the embedded open	

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- 8. (Original) The method as in claim 1, wherein the address information of the boot 1 2 server comprises an IP address. (Currently Amended) The method as in claim 1, further comprising transferring a 9. 1 boot image from the boot server responsive to the netboot program executing on the one of the 2 PXE enabled target server servers. 3 (Original) The method as in claim 9, wherein the boot image is provided through 10. 1 2 a router. (Original) The method as in claim 9, wherein the boot image is provided by 11. 1 2 wireless communication. 1 12. (Original) The method as in claim 9, wherein the boot image comprises responses 2 to preboot execution environment queries. (Original) The method as in claim 9, wherein the boot image further comprises a 1 13. 2 script specific to the requesting target server. (Original) The method as in claim 9, wherein the boot image comprises code to 1 14. 2 install at least one operating system. 1 15. (Original) The method as in claim 9, wherein the boot image comprises 2 application software.
- 2 of a read-only memory.

(Original) The method as in claim 9, wherein the netboot program is executed out

1 17. (Original) The method as in claim 9, wherein the boot image is transferred using 2 a trivial file transfer protocol.

1	18.	(Currently Amended) The method as in claim 9, wherein the one of the PXE	
2	enabled server target servers is booted by executing the boot image.		
1	19.	(Currently Amended) The method as in claim 1, further comprising displaying	
2	address inforr	nation for the plurality of PXE enabled target servers.	
1	20.	(Currently Amended) The method as in claim 1, further comprising displaying a	
2	plurality of boot images for the plurality of PXE enabled target servers.		
1	21.	(Currently Amended) The method as in claim 1, further comprising displaying	
2	PXE requests	for the plurality of PXE enabled target servers.	
1	22.	(Currently Amended) An embedded OS based computer for network booting	
2	under [[PXE]	preboot execution environment (PXE) control, the computer comprising:	
3		a network interface controller (NIC);	
4		an embedded [[OS]] operating system (OS) to control the NIC;	
5		a microcontroller processor coupled to the NIC;	
6		a microcontroller processor executable preboot execution environment PXE	
7	routing software, which is adapted to perform the microcontroller processor executable		
8	steps o	of:	
9		listening with an embedded OS based computer to PXE requests from a	
10		plurality of PXE enabled target servers of a computer network; and	
11		providing from the embedded OS based computer to one of the plurality of	
12		PXE enabled target servers a netboot program and address information of a boot	
13		server from the embedded OS based computer responsive separate from the	
14		embedded OS based computer, in response to a PXE request from the one of the	
15		PXE enabled target servers.	

23. (Original) The embedded OS based computer as in claim 22, further comprising a 1 2 display coupled to the processor. 24. (Original) The embedded OS based computer as in claim 22, further comprising 1 2 an input device coupled to the processor. (Original) The embedded OS based computer as in claim 22, further comprising a 1 25. 2 memory coupled to the processor. (Original) The embedded OS based computer as in claim 25, wherein the 26. 1 2 memory further comprises: 3 a web browser; 4 PXE service applications; 5 a TFTP application; 6 a Net Boot Program (NBP); and 7 a boot image. 1 27. (Original) The embedded OS based computer as in claim 25, wherein the 2 embedded OS based computer is configured through the web browser. 1 28. (Original) The embedded OS based computer as in claim 25, wherein the 2 embedded OS based computer is configured directly. 1 29. - 38. (Cancelled) 39. (New) The method of claim 1, wherein providing the netboot program from the 1 embedded OS based computer comprises providing the netboot program from the embedded OS 2 based computer that is separate from the boot server. 3

40. (New) The method of claim 39, wherein providing the netboot program to the 1 one of the PXE enabled target servers comprises providing the netboot program that when 2 3 executed causes the one of the PXE enabled target servers to issue a request to the boot server for a boot image to download to the one of the PXE enabled target servers. 4 1 41. (New) The method of claim 40, further comprising: 2 receiving, by the embedded OS based computer, the request to the boot server; 3 and in response to the request, send, by the embedded OS based computer, a Trivial 4 File Transfer Protocol (TFTP) request to the boot server for the boot image. 5 (New) The embedded OS based computer of claim 22, wherein the netboot 42. 1 2 program when executed causes the one of the PXE enabled target servers to issue a request to the 3 boot server for a boot image. (New) The embedded OS based computer of claim 42, wherein the boot image 1 43. 2 comprises a script that includes code to install an operating system on the one of the PXE 3 enabled target servers. (New) The embedded OS based computer of claim 22, comprising a handheld 1 44. 2 computer. 45. (New) The embedded OS based computer of claim 22, wherein the embedded OS 1 2 comprises a Windows CE OS. 46. (New) The embedded OS based computer of claim 22, further comprising a 1 2 display to display address information for the plurality of PXE enabled target servers.

1	47.	(New) An article comprising a storage containing software that when executed	
2	causes a first computer to:		
3		receive a request from a target server for remote booting of the target server; and	
4		in response to the request, send a program and address information of a boot	
5	server t	o the target server, wherein the boot server is separate from the first computer,	
6		wherein the program when executed causes the target server to issue a boot server	
7	request	to the boot server for a boot image to download to the target server.	
1	48.	(New) The article of claim 47, wherein the software when executed causes the	
2	first computer	o further:	
3		receive the boot server request; and	
4		in response to the boot server request, issue a Trivial File Transfer Protocol	
5	(TFTP)	request to the boot server for the boot image.	
1	49.	(New) The article of claim 47, wherein the first computer comprises an	
2	embedded oper	rating system (OS) based computer containing an embedded OS.	
		,	
1	50.	(New) The article of claim 49, wherein the first computer comprises a handheld	
2	computer.		
1		(New) The article of claim 47, wherein the first computer receives the request	
2	from the target	server by wireless communications.	
1	50	(Alam). The article of alaim 47 subgrain the received request from the target	
1		(New) The article of claim 47, wherein the received request from the target	
2	_	es a preboot execution environment (PXE) request, the target server being a PXE	
3	enabled target	Server.	

1	53.	(New) A computer comprising:
2		a processor;
3		an embedded operating system (OS) executable on the processor;
4		software executable on the processor to:
5		receive a request from a target server; and
6		in response to the request, send information to the target server to direct
7		the target server to a boot server separate from the computer for downloading a
8		boot image from the boot server to the target server for remote booting of the
9		target server,
10		wherein the computer is a reduced-capability computer having less
11		capability than a server computer.
1	54.	(New) The computer of claim 53, wherein the embedded OS comprises a
2	Windows CI	
1	55.	(New) The computer of claim 53, further comprising a wireless interface to
2	receive the re	equest wirelessly.
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1	56.	(New) The computer of claim 53, wherein the received request comprises a
2	preboot exec	ution environment (PXE) request.
1	57.	(New) The computer of claim 53, further comprising a display to display address
2	information for plural target servers, and to list boot images for the plural target servers,	
3		the software executable on the processor to:
4		listen to requests from the plural target servers for remote booting of the
5		target servers.
1	58.	(New) The computer of claim 53, wherein the information sent to the target
2		rises a netboot program and an address of the boot server.
4	Perver combi	1505 a notobot program and an address of the boot server.